

5 optical interference coating is not susceptible to cohesive failure from tensile stress, each of  
6 said alternating layers of high index of refraction material and low index of refraction  
7 material being a separate and distinct layer from adjacent layers.

1 12. (twice amended) An electric lamp comprising a light transmissive envelope  
2 containing an electric light source within, wherein at least a portion of said envelope is coated  
3 with an optical interference coating for reflecting infrared radiation and transmitting visible  
4 light radiation, said coating comprising alternating layers of high index of refraction material  
5 and low index of refraction material, the total number of said layers being greater than 60,  
6 said optical interference coating having sufficiently low tensile stress such that said optical  
7 interference coating is not susceptible to cohesive failure from tensile stress, each of said  
8 alternating layers of high index of refraction material and low index of refraction material  
9 being a separate and distinct layer from adjacent layers.

1 21. (amended) An optical interference coating for reflecting infrared radiation and  
2 transmitting visible light comprising alternating layers of high index of refraction material  
3 and low index of refraction material, each of said alternating layers of high index of  
4 refraction material and low index of refraction material being a separate and distinct layer  
5 from adjacent layers, the total number of said layers of high index of refraction material and  
6 low index of refraction material being greater than 51, wherein a ratio of the total thickness of  
7 all of the layers of high index of refraction material to the total thickness of all of the layers  
8 of low index of refraction material,  $r$ , is greater than 0.76.

1 27. (amended) An electric lamp comprising a light transmissive envelope containing  
2 an electric light source within, wherein at least a portion of said envelope is coated with an  
3 optical interference coating for reflecting infrared radiation and transmitting visible light  
4 radiation, said coating comprising alternating layers of high index of refraction material and  
5 low index of refraction material, each of said alternating layers of high index of refraction  
6 material and low index of refraction material being a separate and distinct layer from adjacent  
7 layers, the total number of said layers of high index of refraction material and low index of  
8 refraction material being greater than 51, wherein a ratio of the total thickness of all of the  
9 layers of high index of refraction material to the total thickness of all of the layers of low  
10 index of refraction material,  $r$ , is greater than 0.76.

Please add new claims 33-38 as follows.

1        33. (new) An optical interference coating according to claim 21, the total number of  
2        layers of high index of refraction material and low index of refraction material being greater  
3        than 60.

4  
5        34. (new) An optical interference coating according to claim 21, said ratio, r, being  
6        effective to result in sufficiently low tensile stress in said optical interference coating such  
7        that said optical interference coating is not susceptible to cohesive failure from tensile stress.

1        35. (new) An optical interference coating according to claim 21, the total number of  
2        layers of high index of refraction material and low index of refraction material being greater  
3        than 60, and said ratio, r, being effective to result in sufficiently low tensile stress in said  
4        optical interference coating such that said optical interference coating is not susceptible to  
5        cohesive failure from tensile stress.

1        36. (new) An electric lamp according to claim 27, the total number of layers of high  
2        index of refraction material and low index of refraction material being greater than 60.

1        37. (new) An electric lamp according to claim 27, said ratio, r, being effective to  
2        result in sufficiently low tensile stress in said optical interference coating such that said  
3        optical interference coating is not susceptible to cohesive failure from tensile stress.

1        38. (new) An electric lamp according to claim 27, the total number of layers of high  
2        index of refraction material and low index of refraction material being greater than 60, and  
3        said ratio, r, being effective to result in sufficiently low tensile stress in said optical  
4        interference coating such that said optical interference coating is not susceptible to cohesive  
5        failure from tensile stress.

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